



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A control unit of the vehicle generator comprising: a vehicle generator;
a battery adapted to be charged by an output of said vehicle generator;
a control circuit having an on-off control switching section for controlling the turning on and off of a field current of said vehicle generator, said control circuit being operable to interrupt said on-off control switching section when a detected voltage of said battery is higher than a reference voltage, and make said on-off control switching section conductive thereby to control the voltage of power generation at a predetermined voltage when the detected voltage of said battery is below said reference voltage;
a power generation stop circuit having an off detection circuit for detecting turning off of a key switch of a vehicle, said power generation stop circuit being operable to stop the power generation of said vehicle generator when said off detection circuit detects the turning off of said vehicle key switch; and
a power generation stop terminal for interrupting said on-off control switching section; wherein said power generation stop circuit controls said power generation stop terminal to stop the power generation of said vehicle generator instantaneously when said off detection circuit detects the turning off of said vehicle key switch.
2. (original): The control unit of a vehicle generator according to claim 1, wherein said power generation stop circuit comprises a grounding switching section which is operated based

on an off detection signal from said off detection circuit to ground said power generation stop terminal.

3. (withdrawn).

4. (withdrawn).

5. (withdrawn).

6. (withdrawn).

7. (new): The control unit of a vehicle generator according to claim 1, wherein said on-off control switching section includes a switch for switching the field current of said vehicle generator to one of an on state and an off state.

8. (new): The control unit of a vehicle generator according to claim 7, wherein said switch is a Darlington transistor.

9. (new): The control unit of a vehicle generator according to claim 7, wherein said power generation stop terminal is directly connected to said switch.

10. (new): The control unit of a vehicle generator according to claim 8, wherein said power generation stop terminal is directly connected to a control terminal of the Darlington transistor.